

Geprüfte
Baustoffe aus
natürlichen und
nachwachsenden
Rohstoffen...

Hessler

KALK & PUTZ

Das Hessler Kalksystem.

Qualität seit 1881

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HP 90 Naturkalk-Edelputz

Composition: (full material declaration)

HP 90 Natural Lime Fining Coat natural consists of natural hydraulic lime, white hydrated lime, marble granules, marble powder, clay powder and a small amount of methyl cellulose. Contains no titanium oxide.

HP 90 Natural Lime Fining Coat white consists of white hydrated lime, marble granules, marble powder, clay powder, a small amount of methyl cellulose and vegetable starch. Contains no titanium oxide.

Grain size: 0.3 mm / 0.5 mm / 1.0 mm.

HP 90 is a cement-free, mineral lime finishing plaster of mortar group **CS I according to DIN EN 998-1**. It does not contain any synthetic binders, is highly water vapour resistant and resistant to fungal and mould growth.

Application range:

HP 90 is used as **decorative finishing plaster** for indoors and outdoors (only use HP 90 natural for outdoors). For outdoor use, please note: HP 90 is not hydrophobized. HP 90 is characterised by its beautiful fine-textured finish (felted) due to its marble granules.

Substrate:

Ideal substrates are Hessler natural lime base coats or Hessler HP 14 Kalk-Haftputz (Natural Lime Adhesive Plaster). Lime-cement plaster, cement plaster and gypsum-containing substrates (gypsum plaster, gypsum boards, gypsum plasterboard) must be primed with **HP 9500 Biogrund (Bio Primer)**. For slab substrates, we recommend using **reinforcement fabric** with **HP 14 Kalk-Haftputz (Natural Lime Adhesive Plaster)** in addition to HP 9500 Biogrund (Bio Primer). This minimises the risk of cracking due to slab movement. Prime all previously wallpapered substrates (or if bleeding of substances is suspected) with **insulating primer**. First apply HP 14 Kalkhaftputz (Natural Lime Adhesive Plaster) to concrete (free of release agents) and uneven surfaces.

Application:

Mix the contents of the bucket with **approx. 7 litres of water** and stir without lumps until the desired consistency is obtained. Use a suitable stirrer for this purpose. Allow to stand for approx. 10 minutes and stir again. Particularly highly absorbent substrates must be **pre-wetted**. The plaster thickness must be **approx. 1 mm per layer**. First apply HP 90 in one layer with a stainless steel trowel. After flash-off, apply a second layer and rub down with a sponge float / sponge disc (fine texture) after setting. If desired, the finishing plaster can also be smoothed or brushed. If a coat of paint is desired, a **drying time of approx. 1 day / mm layer thickness** must be observed (depending on e.g. temperature and air humidity).

HP 9100 Sumpfkalkfarbe (Pit Lime Paint) and HP 9000 Kalk-Kaseinfarbe (Lime-Casein Paint) are particularly suitable as subsequent interior coating (also for damp rooms).

We recommend a high-quality **silicate paint** as **exterior coating** for HP 90 natural.

Consumption rate: **Application thickness:** approx. 1 mm per layer (work in 2 layers)
Spreading rate: grain size 0.3 and 0.5 mm: approx. 10 m² / bucket (approx. 2 kg / m²), grain size 1.0 mm: approx. 6.6 m² / bucket (approx. 3 kg / m²) (depending on nature of substrate)

Please note: DIN 18550 and DIN 18350 must be observed for assessing and preparing the plaster base. The plaster base must be absorbent, dry and free of dust, formwork oil, etc. Plaster surfaces must be separated from wood by suitable measures. The air and/or object temperature must be **above 5 °C**. Pure lime mortars must be **protected from frost for at least four weeks**. Prevent the plaster from drying out too quickly. It may be necessary to **rewet** the plaster or keep it moist. Adequate **ventilation** must be ensured.

We recommend applying HP 90 just before moving into the premises to avoid unnecessary damage.

HP 90 may only be used in its original state without any admixture.

Packaging unit: 20 kg buckets, 24 buckets / pallet
Weight: approx. 480 kg / pallet

Storage: Dry, shelf life at least 6 months in closed packaging

Quality monitoring: HP 90 is continuously monitored in the in-house laboratory for compliance with its composition and properties.

Safety advice: Mortar reacts strongly alkaline with moisture, therefore protect skin and eyes. In case of contact, rinse thoroughly with water. In case of eye contact, consult a doctor immediately.

For more information, please contact us by phone or in writing at:
info@hessler-kalkwerk.de, or at: +49 6222/9275-0. We will be glad to assist you!

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